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**MAR 23 2005**

**FOUR-PHASE DUAL PUMPING CIRCUIT**

Appl. No. : 10/707,786  
Applicant(s) : Hong-chin Lin,  
5 Ming-Chih Hsieh,  
Jain-Hao Lu,  
Chien-Hung Ho  
Filed : January 12, 2004  
TC/A.U. : 2816  
10 Examiner : Cunningham, Terry D  
Docket No. : EMEP0062USA  
Customer No. : 27765  
Confirmation No. : 1785  
  
15 Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

Subject: Response to the Office action mailed December 27, 2004  
20

**INTRODUCTORY COMMENTS**

**Amendments to the Claims** are reflected in the listing of claims  
which begins on page 2 of this paper.  
25 **Remarks/Arguments** begin on page 15 of this paper.



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**From : Winston Hsu, Registration No. 41,526**

**Serial No.: 10/707,786**

**Attorney Docket No.: EMEP0062USA**

**Subject: Response to the Office Action Mailed on 12/27/2004**

**Total Pages: 21 pages (including cover page)**

**Winston Hsu 3/23/2005**

**EMEP0062USA0\_A2\_1**

PTO/SB/97 (08-04)  
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Application Number: 10/707,786

(1) Transmittal Form

1 PAGE

(2) Fee Transmittal Form

1 PAGE

(3) Response to the Office action

17 PAGES

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/707,786	
	Filing Date	01/12/2004	
	First Named Inventor	Hong-Chin Lin	
	Art Unit	2816	
	Examiner Name	Cunningham, Terry D	
Total Number of Pages in This Submission	19	Attorney Docket Number	EMEP0062USA

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ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
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<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<b>Remarks</b>	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	North America Intellectual Property Corporation		
Signature	<i>Winston Hsu</i>		
Printed name	Winston Hsu		
Date	03/23/2005	Reg. No.	41,526

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). <b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		<b>Complete If Known</b> Application Number 10/707,786 Filing Date 01/12/2004 First Named Inventor Hong-Chin Lin Examiner Name Cunningham, Terry D Art Unit 2816 Attorney Docket No. EMEP0062USA	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
TOTAL AMOUNT OF PAYMENT (\$) 0.00			

**METHOD OF PAYMENT (check all that apply)**

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**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims - 20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ Fee Paid (\$)  
 HP = highest number of total claims paid for, if greater than 20  
 Indep. Claims - 3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ Fee Paid (\$)  
 HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets - 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_ Fee Paid (\$)  
 Extra Sheets Number of each additional 50 or fraction thereof Fee (\$)  
 Fee Paid (\$)

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: \_\_\_\_\_

Fees Paid (\$)

**SUBMITTED BY**

Signature	<i>Winston Hsu</i>	Registration No. (Attorney/Agent) 41,526	Telephone 302-729-1562
Name (Print/Type)	Winston Hsu	Date	03/23/2005

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